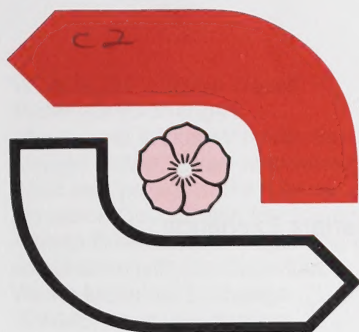


JUN 23 1992



Alberta Waste Materials Exchange

BULLETIN NUMBER 23

OCTOBER/NOVEMBER 1991

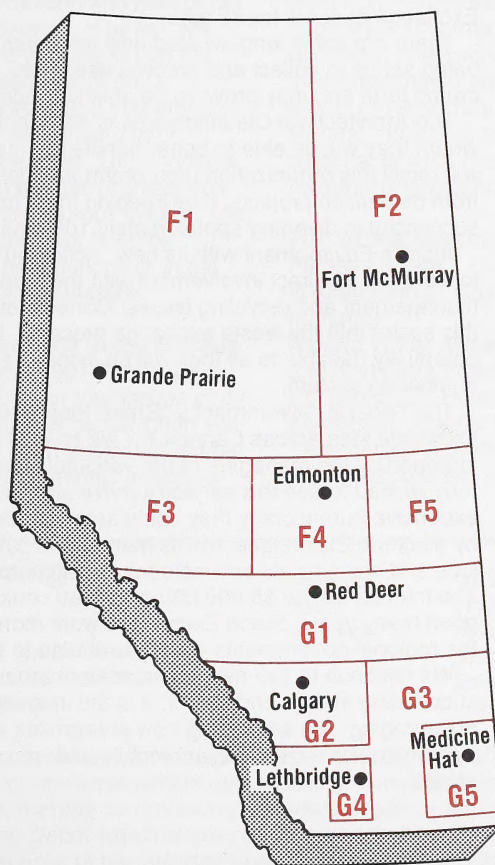
The Alberta Waste Materials Exchange operates in conjunction with the Canadian Waste Materials Exchange (CWME) as an information clearinghouse designed to put potential users of waste material in contact with waste producers.

Wastes are listed in the bulletin under 11 categories:

1. Acids
2. Alkalis
3. Other inorganic chemicals
4. Solvents
5. Other organic chemicals
6. Oils and waxes
7. Plastics and rubber
8. Textiles and leather
9. Wood and paper
10. Metals and metal sludges
11. Miscellaneous

Services available are listed in three categories:

1. Services offered on a custom basis, such as oil and solvent recovery, specialized equipment for waste handling and processing, etc.
2. Services offered on a consulting basis, such as those who specialize in waste management, the production of fuels and/or energy from waste and other areas related to waste reuse.
3. Services offered by transportation companies who are equipped to haul liquids and other special wastes.



The letters on this map are used by AWME to identify the geographic region in which waste materials are available or wanted.



Alberta Waste Materials Exchange

Operated in conjunction with the Canadian Waste Materials Exchange

PO Box 8330, Postal Station F, Edmonton, Alberta T6H 5X2

Telephone 403/450-5408

Dear Participant,

This issue is the second with the new formatted numbering system. This heralds the complete conversion to the new computer software and data base system. It is constructed in such a manner as to be able to accommodate other areas, such as Saskatchewan, in the Waste Exchange at some future date.

There are some long awaited new initiatives on the horizon. One in particular is a new facility being set up to collect and process used tires. This new firm will be processing used tires to a crumb form and may prove to be able to process most of the tires in this province initially.

The Architectural Clearinghouse is also on the move. They are moving to newer quarters where they will be able to better handle the materials salvaged from demolition projects. As you will recall this organization (non-profit) attempts to salvage, recover and then market materials from demolition projects, thus keeping them from being sent to landfill. They have been successful in diverting approximately 100 tons per month.

Alberta Environment with its new "Action on Waste" programme has encouraged the AWME to increase its direct involvement with the Municipal governments and counties in waste management and recycling issues. Consequently, we are embarking on a project to incorporate this sector into the waste exchange process. In view of the fact that their materials are potentially useable to all they will be incorporated into the AWME bulletin using a unique code numbering system.

The Federal Government's "Green Plan" mentions the fact that they wish to support the waste exchange idea across Canada but we haven't seen anything forthcoming. At a recent meeting attended by the managers of the various Canadian waste exchanges it was proposed that if they wished to see this service survive across this nation then rather than set up a new large expensive bureaucracy they could set aside the funds from which the interest could be utilized by all of the Exchanges. In this manner the current and new Exchanges may be able to do their jobs and concentrate on waste minimization rather than waste their effort on funding problems. The interest on the \$5,000,000 proposed could keep the Waste Exchanges in operation for a good many years. Since Exchanges work more effectively on a regional basis it is expected that the regional governments would contribute to the individual exchanges to some extent also.

We continue to see new enterprises out there in recycling and waste minimization that are succeeding in their endeavors. It is the innovative ideas for the use of the wastes that are encouraging. We are seeing new enterprises who have identified uses for old wooden pallets, waste plastics, waste oil, automobile anti-freeze and many more. We wish them success in their efforts.

Yours truly,

Bill Kay
Manager

Alberta Waste Materials Exchange

What is the Alberta Waste Materials Exchange?

The Alberta Waste Materials Exchange (AWME) was established in 1984 as a project of the Alberta Research Council with funding from Alberta Environment. It operates in conjunction with the Canadian Waste Materials Exchange (CWME) as an information clearinghouse designed to put potential users of waste material in contact with waste producers. A company having material that is unusable at their facility but which still has potential value may list the material with the Exchange. Information submitted is published in a quarterly Bulletin which is mailed to subscribers who may be able to recycle or reuse the available materials.

How to use this Bulletin

Listings are broken down into three main categories. These are (1) wastes available, (2) wastes wanted, and (3) services available, where companies specializing in waste management and transportation of waste materials can describe the services they offer. Wastes available and wanted are classified into 11 categories as identified on the cover of the

Bulletin and on Listing Form 2. Each category appears as a major heading in the Bulletin for easy recognition of materials available and wanted. Within these categories each entry is identified by a code number to provide confidentiality for the company involved.

How to enquire about a listing

If you locate a material that may be of use to you (waste available) or have a material that is being requested for procurement (waste wanted), complete Form 2 at the back of the Bulletin and mail or fax it to the Exchange. If by fax, we can send the information on the listing by return fax (if not a confidential listing). If you enquire by mail, we will forward your enquiry to the lister. The originator of the listing will then contact you directly regarding your inquiry. The Exchange does not become involved in negotiations or in the actual transfer of wastes.

How to subscribe to the Bulletin

For fiscal year 1991/92 we will charge \$35.00 for four issues of the Bulletin. With this subscription you are entitled to an unlimited number of listings for materials available

and wanted, and for those offering services in dealing with waste management concerns through consulting, handling or transportation. Please fill out Form 1 at the back of the Bulletin and mail or fax to the Exchange. Please include listing information (Form 2).

Disclaimer

The Alberta Waste Materials Exchange is an information clearing-house only, and is neither liable nor responsible for the character or content of any item listed, or for the determination of what may constitute a hazardous substance or create a hazardous condition. The Exchange does not make recommendations with respect to legal requirements for storage, handling, transportation, or disposal of what may be defined as hazardous substances.

For further information

Please contact
William (Bill) C. Kay
Manager
Alberta Waste Materials Exchange
250 Karl Clark Road
PO Box 8330, Postal Station F
Edmonton, Alberta T6H 5X2
Telephone: (403)450-5408
Fax: (403)450-5477

Architectural Clearinghouse – Moving

The Architectural Clearinghouse is moving to more spacious and accessible quarters on November 4, 1991. Please note their new phone number, fax number, and address to the right.

Telephone: (403)436-1222
Fax: (403)436-3396
Address: 5920 - 103 Street
(Calgary Trail North)
Edmonton, AB
T6H 2H6

The purpose of the Architectural Clearinghouse (operated by a not-for-profit organization) generally is to short circuit materials destined for landfills while providing new employment opportunities. Materials from field locations are marketed via a computerized inventory system, thereby co-ordinating materials available and materials wanted. Interim storage is available at the Recycling Depot which utilizes direct sales and is open to the general public. Other companies wanting to emulate the services of the Architectural Clearinghouse and join a regional computer-based network should contact the Edmonton office directly.

Architectural Building Materials Available

DOORS – solid/hollow/wood/metal
WINDOWS – opening and sealed
CARPET – commercial/residential
LIGHT FIXTURES – regular/fluorescent
CABINET – cupboards/vanities/counters

Dimensional *LUMBER* and roofing
SUNROOM enclosures and greenhouses
Plumbing/electrical and mechanical
Interior furnishings/blinds/shelving
Complete *BUILDINGS* and structures

Assistance for manufacturing companies

The mission of the Manufacturing Technologies Department of the Alberta Research Council is to advance the economy of the province by providing services and expertise to assist small- to medium-sized Alberta manufacturing companies to develop new or to improve on existing technologies and products.

Department staff provide coordinated technical expertise that spans the development cycle of a process or product. This includes assisting clients in obtaining necessary funding, providing technical advice and information services, and performing research and development, either jointly or under contract. In addition, the department staff develop and test prototypes, advise and assist with the design of manufacturing facilities or application of advanced materials, and develop technology for the recycling/disposal of waste products.

The department is comprised of eight specialized units: Engineering Services, Industrial Materials & Chemicals, Membrane Separation, Analytical Chemistry, Gasoline & Oil Testing Laboratory, Advanced Materials, Industrial Technology Advisor Network and the Alberta Waste Materials Exchange.

The Alberta Research Council supports Alberta's economic development through scientific, engineering and technological research, with applications in energy, agriculture, forestry, environment, mineral resources, industrial assistance and new technologies.

We're helping people unlock the future.

Alberta Research Council
250 Karl Clark Road
PO Box 8330, Station F
Edmonton, Alberta
T6H 5X2
(403) 450-5451
Fax: (403)450-5476

Alberta Research Council
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4920 - 51 Street
Red Deer, Alberta
T4N 6K8
(403)340-7980

Alberta Research Council
3rd Floor
6815 - 8 Street NE
Calgary, Alberta
T2E 7H7
(403) 297-2600
Fax: (403)275-3003

Alberta Research Council
2nd Floor
714 - 5 Avenue South
Lethbridge, Alberta
T1J 0V1
(403) 381-5370
Fax: (403)329-6939

Want the competitive edge??

... Work with the Alberta Research Council through the Joint Research Venture Program. Each year, Alberta companies have the potential to bring innovative new products, processes and services to the marketplace. For small to medium-size firms, however, lack of sufficient financing or technical expertise can prevent this potential from being realized.

The Joint Research Venture Program is an Alberta Research Council initiative designed to help bridge this gap. By sharing its resources with selected industry co-venturers, the Research Council fulfils its mandate to stimulate Alberta industry. At the same time, participating companies have a chance to share the costs and work involved in taking their innovative and marketable technology to a commercial stage.

Under the program, the co-venture company and the Alberta Research Council share equally in the cost and work involved in the research venture.

Term and size of projects

Projects with a per year cost of \$20,000 to \$200,000 are supported by the "small" Joint Research Venture (JRV-S). The Alberta Research Council will share equally in the cost of selected research projects up to a maximum contribution of \$100,000 per year. Large projects (\$1,000,000 or more) normally last up to two years and the work schedule is designed to give both parties an opportunity periodically to reconsider their participation, based on results achieved in a particular aspect of the work.

How to apply

There are two steps in the application process.

Step 1: Statement of objectives and qualifications

The company's initial application to the program should contain the following information:

- The objectives of the intended project.
- The company's qualifications to conduct the work and successfully market the resulting product of the JRV.
- A general plan for research and development, including cost and time estimates.
- An indication of the technical areas requiring Research Council participation.

If the project is selected for further consideration, the application process moves to:

Step 2: Detailed proposal and final selection

The following information is required in Step 2:

- A detailed work plan to be prepared jointly by the Research Council and the selected company.
- An outline of the contributions to be made by each party. (This allows the participants to evaluate each other's capabilities and to develop an agreement covering their working relationship throughout the project.)
- Relevant financial and business information from the company.

Before asking a company to complete Step 2 of the application process, the Research Council will make an effort to allocate funds for its portion of the project. This ensures the company does not undertake the work involved in preparing a detailed proposal without a potential commitment.

How the venture works

The participants are responsible for paying an equal share of the project costs, as well as sharing equally in the project work.

Each party is also responsible for performing work on behalf of the JRV and for submitting monthly statements of costs covering that work. Staff time devoted to the project, equipment and services are charged out at agreed rates. Participants should each be prepared to make facilities available to the project.

Financial review

A financial review of the participating company forms part of the application process.

For the complete story . . .

If your firm is interested in participating in a Joint Research Venture, or if you wish further information on the program, please contact:

Karen D. Beliveau, Manager
Joint Research Venture Program
Alberta Research Council
PO Box 8330, Station F
Edmonton, Alberta T6H 5X2

OR

Lem MacDonald, Coordinator
Joint Research Venture Program
Alberta Research Council
3rd Floor, Digital Building
6815 – 8 Street NE
Calgary, Alberta T2E 7H7

Phone: (403)450-5200
Fax: (403)450-5198

Phone: (403)297-7513
Fax: (403)275-3003

4Rs Financial Assistance Programs

– provided by Alberta Environment's Recycling Branch

Environment Fund Shell Canada

P.O. Box 100, Station M
Calgary, Alberta T2P 2H5
Phone 1-800-661-1600 or 232-3198
Grants for establishing environmental projects.

Environmental Partners Fund Environment Canada

Twin Atria #2
2nd Floor, 4999 - 98 Avenue
Edmonton, Alberta T6B 2X3
Phone 468-8073
Grants for local recycling projects.

Municipal Scale Composting Fund Proctor and Gamble

PO Box 355, Station A
Toronto, Ontario M5W 1C5
Phone (416)730-4459
*Financial assistance for establishing municipal
composting projects.*

Resource Recovery Grant Program Alberta Environment's Recycling Branch

5th Floor, 9820 - 106 Street
Edmonton, Alberta T5K 2J6
Phone 427-5838
Capital grants for establishing recycling projects.

4Rs Information Programs

Alberta Economic Development and Trade's Environmental Products and Services Section

Phone 427-2005
Information on recycling business development.

Alberta Environment's Recycling Branch

Phone 427-5838
*Technical information on recycling and establishing
recycling projects.*

Alberta Environmental Network

Phone 433-9302
*Provides information on environmental organizations
across Alberta.*

Alberta Special Waste Management Corporation

Phone 422-5029 or 1-800-272-8873
*Information on the Alberta Special Waste Management
System, including the Toxic Round-Up Program.*

Alberta Special Waste Services Association

Phone 424-6384 or 1-800-661-WASTE
*Offers special waste disposal information and operates
a "clearinghouse" linking waste producers with waste
disposal organizations.*

City of Edmonton Commercial Waste Audit Program

Phone 496-5678
Provides auditing services to Edmonton business.

One More Small, One More Step For Waste Minimization

Sometimes exchanges take along time to accomplish. But one recent one was a surprise in that it was a custom mixed specialty chemical (10 barrels) that appeared to have little use to others. However, between issues of the bulletin and the update mailout a subscriber noticed it and the material was taken up. This movement saved about \$3000 in destructive disposal costs.

By the way this one trade alone saved more than the **\$35** subscription/membership in the Alberta Waste Materials Exchange.

This was just another example of reported exchanges being made through the AWME every month.

Waste Treatment and Characterization of Liquid Effluents – R&D Available

The Oil Sands and Hydrocarbon Recovery Department of the Alberta Research Council has a number of capabilities in the area of Effluent Treatment, including Characterization and Separation Technologies.

Characterization involves such techniques as Optical Microscopy, Electrokinetic Sonic Analysis (ESA), and Supercritical Fluid Extraction/Chromatography. Application of Separation Technologies such as Dissolved Air Flotation, Gravity and Ultrafiltration, can be applied following complete characterization.

Contact:
Mr. Phil Harris or Dr. Randy Alex
Alberta Research Council
Oil Sands and Hydrocarbon Recovery
1021 Hayter Road
PO Box 8330, Station F
Edmonton, Alberta
T6H 5X2
Phone (403)472-4212
Fax (403) 472-6912
Telex 037-2147

Prove Out Our Thermal Drying Services For Your Wet Sludges

Most neutralized or innocuous industrial sludges contain 30%-70% water. thermal drying before transportation boosts efficiency and lowers the costs of haulage.

ALBERTA RESEARCH COUNCIL'S Roto-Louvre dryer with a one tonne per hour capacity (130kg/hr evaporative capacity) is available for your specialized drying needs. This unit is assembled on skids so that it is readily relocated for major field contracts.

Contact:
Alberta Research Council
Coal and Hydrocarbon Processing Department
P.O.Box 1310
Devon, Alberta
Canada T0C 1E0
Phone (403)987-8111
Fax (403)987-5280

Wastes Available

1. Acids

| ID | Region | Quantity | Waste |
|-----------|--------|------------------|---|
| A0526-AB* | | 13 cu.meters | Sulphuric acid solution 13% from anodizing line |
| A0021-AB* | F4 | 580 liters | Nitric acid solution 54 to 405 g/l. cont.0.09 to 30 g/l in 200 liter drums |
| A0269-AB | F4 | 80 T/mo. | Petroleum sludge containing sulfuric acid |
| A0502-AB | F1 | 300 gal./mon | Sulphuric acid from battery recycling |
| A0082-AB | F4 | 45,000 l/3-6 mo. | Iron chloride solution (8% iron, 5% hydrochloric acid, 8% zinc and zinc chloride) |
| A0435-AB | G1 | | Refined battery acid |

2. Alkalis

| ID | Region | Quantity | Waste |
|-----------|--------|--------------------|--|
| A0359-AB | G1 | 150 cu m/day | Spent caustic solution, 1-3% caustic,1500 pts/million hydrocarbon |
| A0159-AB | Sask. | | Spent caustic sodium sulphide -1,alkalinity-13, carbonate -11, sodium hydroxate -9, sp.gr.-15 |
| A0007-AB* | G5 | 200 cu.m. | Spent caustic from gas processing. 50 cu/yrds available per month. |
| A0055-AB | F4 | 10,000 gal./wk. | Calcium hydroxide slurry (pH+11, 30% solids) |
| A0117-AB | F4 | 500-1000 tn./yr. | Spent lime caustic (30% calcium hydroxide) |
| A0512-AB | G1 | 350 tons | Calcium Carbonate, magnesium Hydroxide. |
| A0412-AB | F4 | 9.0 tn./wk. | Calcium hydroxide slurry pH 13 |
| A0414-AB | F | 60 tn./wk. | Carbide lime slurry 10% solids |
| A0362-AB | F4 | 1000 gal./day | Spent caustic |
| A0431-AB | F2 | 15,000 cu.m./month | Lime sludge, 40% CaCO ₃ in produced water, 60% CaCO ₃ , 20% Mg(OH) ₂ , Mg(OH) ₂ precipitate contains adsorbed silicates, pH:=9.0-9.5 |
| A0203-AB | F4 | 40-50 tn./mo. | Calcium hydroxide, oxide and carbonate in various stages |

3. Other Inorganic Chemicals

| ID | Region | Quantity | Waste |
|-----------|--------|---------------|--|
| A0241-AB | G1 | 16 cu m/yr. | Activated charcoal |
| A0461-AB | F4 | Unlimited | 99% Calcium Sulfate, 1% other calcium compounds, 15% moisture, 46% -325 mesh solids |
| A0004-AB | F1 | 60,000 tonnes | Sulphur contaminated with soil (40% - 50%S) |
| A0059-AB | G1 | 200-600 T/yr. | Activated aluminum catalyst |
| A0238-AB | G1 | 100 T/yr. | Spent activated charcoal |
| A0477-AB | F4 | 500t/wk | Calcium cabonate from water softening 95% in water |
| A0202-AB | G2 | | Spent catalyst containing leftover phosphoric acid and carbon |
| A0513-AB | G2 | 20ton/quarter | Silicon Orthophosphate spent Catalyst/phosphoric acid |
| A0248-AB | F2 | | Spent catalyst |
| A0468-AB | G3 | 150 kg. | Lead acetate |
| A0417-AB | G | 97 T | 30% potassium carbonate (10% ethylene glycol, 10% additives, 50% water) |
| A0016-AB* | G2 | 6000 Kg/mon. | Aluminum Hydroxide (Al 37%) cake |
| A0017-AB* | G4 | 12 drums | Side release aggent, contains 31% w/w ethylene glycol in water, prevents caking of coal in cold weather. |
| A0380-AB | F4 | 600 tn. | Catalyst |
| A0001-AB | F4 | 300 tonnes/mo | Calcium sulfate containing some metals and organic sludge. |
| A0478-AB | F4 | 200t/wk | Alum. hydrox. 20% solids in water |
| A0425-AB | F4 | 150 lb. | Mercury |

* new listing

Wastes Available

4. Solvents

| ID | Region | Quantity | Waste |
|----------|--------|-------------------------|--|
| A0029-AB | F4 | | Aromatic Solvent Rinse Aromatic content - 70%, Flash 65C(approx) |
| A0449-AB | F4 | 10-20 45 gal. drums/mo. | Methylene chloride (90-95%; 5-10% acetone) |
| A0450-AB | F4 | 30 drums/mo. | Organic solvents (30% acetone, 20% MeOh, 10% THF, 20% toluene) |

5. Other Organic Chemicals

| ID | Region | Quantity | Waste |
|----------|--------|----------------------|--|
| A0527-AB | F4 | 2000 liters | Oil based defoamer potential use as pulp mill defoamer. |
| A0392-AB | F4 | 4 drums | Isopropanol/naptha mixture |
| A0467-AB | F4 | 30 drums now ongoing | Blend; Methanol 51%, Ethanol 23%, IPA 15%, Petro solvent 6% |
| A0407-AB | F4 | 1700 l | Tall oil fatty acid mixture (sample available) |
| A0256-AB | F4 | 10-15 tn. | Imidazole hydrochloride |
| A0207-AB | G2 | 800 gal. | Cyanide solution |
| A0017-AB | G4 | 40 Drums | Cable filling/buffering compounds, containing synthetic oils and silica-OPTIFILL F.O. 20 |

6. Oils and Waxes

| ID | Region | Quantity | Waste |
|-----------|--------|---------------------|---|
| A0242-AB | G1 | 75 cu.m/yr | Hydrocarbon oily sludge material |
| A0457-AB | G2 | 100,000 kg in drums | Slop grease |
| A0386-AB | F4 | 90 gal./mo. | Waste engine oil |
| A0528-AB | F4 | 1000 liters | Propane motor lubricant(5W) synthetic oil. |
| A0080-AB | F4 | 10 gal./wk. | Used oil |
| A0113-AB | F4 | | Oils and lubricants |
| A0245-AB | F5 | | Slop oil - about 50% water (from production department) |
| A0018-AB* | G3 | 7 x 45 gal.bbls | Oil and grease. In Coleman, AB area. |
| A0198-AB | F4 | 45 gal./mo. | Used oil |

7. Plastics and Rubber

| ID | Region | Quantity | Waste |
|----------|--------|-----------------|---|
| A0500-AB | F4 | Unlimited | Scrap poly plastics |
| A0507-AB | G1 | 40,000kg baled | LLDPE film from fibre glass insulation bags (4t/mon cont) |
| A0008-AB | G5 | | Plastic ends cut from bagging operation |
| A0144-AB | F4 | | Scrap tires |
| A0436-AB | G1 | 50,000 lb./mo. | Scrap polypropylene plastic (raw) |
| A0485-AB | F5 | 15 Tonnes | Polystyrene and PET fillers discarded from seedling planting containers (bulk and loose). |
| A0027-AB | G2 | | Scrap tires (passenger or truck) |
| A0042-AB | F4 | 2-3000lb/mon | Scrap P.E. plastics, multi coloured |
| A0052-AB | F4 | ~20 tn./mo. | Waste plastic bags |
| A0479-AB | F4 | 10tonne | P.E.T. from microfiche |
| A0495-AB | F4 | 1200 lb./mon. | Plastic pails, bottles(4 litre), and film-PE and PVC |
| A0353-AB | F4 | 10-15,000/yr. | Scrap tires |
| A0419-AB | G4 | 1000/wk. | LD polyurethane washers 7/8" OD, 5/16" ID, 1/8"-3/16" thick |
| A0364-AB | F4 | 300-500 lb./mo. | Graphic arts film |

* new listing

Wastes Available

7. Plastics and Rubber

| ID | Region | Quantity | Waste |
|----------|-----------|--------------------------------|--|
| A0381-AB | F4 | mo. 20,000 lb./mo. | Plastics |
| A0490-AB | F4 | 750 Drums | High density PE bottles, empty |
| A0524-AB | Alberta | Unlimited | Thermoplastic materials e.g. rigid/flex PVC,PE,PP etc. |
| A0153-AB | F1 | 10 tn./wk. | P.E.T. (plastics) |
| A0155-AB | B.C. | | Used tire casings (passenger and light truck) |
| A0489-AB | F4 | 700 cu.m./one time | Off-spec polystyrene semi solid potential fuel blending |
| A0476-AB | F4 | | Used motorcycle tires |
| A0025-AB | F2 | 5 tons | Used polypropylene trays from tree nursery operations |
| A0079-AB | F4 | | Used tires, shredded rubber |
| A0382-AB | G2 | 40,000lb/mo | Plastic(from battery rebuilding; sample/ lab analysis available on request) |
| A0014-AB | F2 | Total 957 | 2400' Computer Tapes: Memorex (839), IBM (60), Wabash Quadronixil (24), Other (34). Also small and medium tapes available. |
| A0501-AB | F1 | Unlimited | Reclaimed battery plastics |
| A0099-AB | G2 | | Plexiglass |
| A0437-AB | G2 | 3 T/mo. | Linear low density polyethylene scrap |
| A0192-AB | G2 | | Cured rubber machined off elements |
| A0447-AB | Sask. | 300lb/mon | Clear polyethylene film bags and ends |
| A0194-AB | F4 | 25 /day | Used tires |
| A0448-AB | Sask. | 2000lb/mo | Polyethylene scrap(MA7 079) |
| A0536-AB | F4 | 12,000kg | PVC extrudate from film process, blue, ppm PVCM. |
| A0480-AB | W. Canada | 10 ton min. | LDPE, PP, PC, HDPE Plastics |
| A0429-AB | G2 | 40-50,000 k/mo. | Scrap polyethylene in roll form and bales |
| A0028-AB | F4 | 40/mon | Plastic 45 gal drums, clean, good condition. |
| A0469-AB | F4 | 2trler loads now then 2lds/6wk | Tractor tires for shredding or recycle |
| A0020-AB | G2 | 1200/wk | Rubber tires whole or in parts. |

8. Textiles and Leather

| ID | Region | Quantity | Waste |
|----------|--------|----------|--|
| A0128-AB | F4 | | Rags from garment manufacturing |
| A0482-AB | F4 | Bulk | Polyester fabric cuttings from garment manufacture |
| A0215-AB | G2 | | Vinyl pieces |

9. Wood and Paper

| ID | Region | Quantity | Waste |
|----------|--------|-----------------------|---|
| A0226-AB | F4 | 18 bone dry units/mo. | Dry wood waste (spruce, pine, fir) in chip form |
| A0375-AB | F4 | 2500 cu.ft./wk. | Sawdust (adzing of wood r.r ties) |
| A0041-AB | F4 | | Wood pallets, various sizes |
| A0009-AB | F/G | Truck loads | Wood chips of varying sizes useable for chipboard/fodder or landscaping |
| A0230-AB | F4 | | Cedar wood chips |

Wastes Available

9. Wood and Paper

| ID | Region | Quantity | Waste |
|-----------|-----------|---------------------|---|
| A0401-AB | F4 | 100/day | Wood pallets, 38" x 48" (4 Way entry) |
| A0233-AB | F3 | | Sawdust, bark, oversize chips of wood, planer shavings |
| A0235-AB | F4 | 100 tn./mo. | Spruce shavings, sawdust, dry planer trim blocks |
| A0101-AB | G1 | 500-1000 lb./wk. | Clean paper, some colored |
| A0236-AB | F4 | 1000 cu.ft./wk. | Wood shavings |
| A0137-AB | F4 | 2 tn./mo. | Scrap newsprint |
| A0145-AB | F4 | | Scrap pallets and cardboard cylinders (11" & 14" diameter, 46" tall) |
| A0011-AB* | G2 | 1000 lb. containers | Dry wood shavings and sawdust, approximately 10% cedar to 90% spruce and other softwoods. |
| A0151-AB | G2 | | Printed newspaper |
| A0237-AB | G4 | 3 tn./mo. | Hardwood charcoal - granular |
| A0438-AB | G2 | 10-15 T/mo. | Natural craft paper, polycoating mixed with paper |
| A0498-AB | F4 | 600 lb./wk | Cardboard boxes, paper tear sheets |
| A0474-AB | G5 | 100now/80/wk | Wooden pallets 21"x49"with 3-2x4 stringers |
| A0514-AB | W. Canada | 300 ton/mon | Clean white office paper,colored ledger, CPO |
| A0497-AB | F4 | 200now-40/mon. | Wooden pallets 40"X48", 36"X36", 38"X48" |
| A0430-AB | G2 | large quantities | Paper board scrap(cardboard) |
| A0026-AB* | F4 | 200/mon | Reusable cardboard boxes |
| A0030-AB | F4 | 100 - 200 cont. | wood pallets, various sizes |

10. Metals and Metal Sludges

| ID | Region | Quantity | Waste |
|-----------|--------|---------------|---|
| A0503-AB | G1 | 150lb. | Copper sludge from electroplating |
| A0374-AB | F4 | 500 tn./wk. | Prepared scrap railroad steel |
| A0376-AB | F4 | 4 tn./wk. | Brass journals, copper, aluminum |
| A0406-AB | F4 | 4000 | Lithium thionyl batteries |
| A0506-AB | F4 | unlimited | Silver Sulphide from siver recovery 98+% purity |
| A0265-AB | G1 | | Scrap metal contaminated with sulfur |
| A0266-AB | G1 | | Used 45 gal. drums |
| A0002-AB | MO | 2 Tons/day | Titanium metal + metal sludge, 38%Ti in water Al/Si/V/C contamination |
| A0086-AB | G1 | | Prepared scrap metal and salvage |
| A0003-AB | G2 | Unlimited | Structural: tubing/casing/line/sucker rods for pilings, gates, corrals, fencing |
| A0088-AB | F1 | | Scrap metal (steel, aluminum, etc.) |
| A0091-AB | F4 | | Stainless steel & bronze turnings (waste material from machine shop) |
| A0096-AB | F4 | 25 tn. | Catalyst vanadium pentoxide |
| A0102-AB | G1 | | Metal plates, used film, used photo chemicals |
| A0525-AB | F4 | 350ton/mon | Baghouse dust (ZnO 7-22%, PbO 2%, Cr ₂ O ₃ , 54%, MgO 3.7%. |
| A0114-AB | G2 | | Metals (chips and blocks) |
| A0363-AB | F4 | 1000/mo. | Aluminum printing plates |
| A0378-AB | F4 | Unlimited | Steel, copper, aluminum |
| A0142-AB | F4 | 3000 lb./yr. | Stainless steel |
| A0152-AB | G2 | | Page negatives (film), aluminum printing plates |
| A0156-AB | G2 | | Used stainless steel wireline .092" diameter (lengths to 10,000 ft.) |
| A0496-AB | F4 | 3 Cu. m./mon. | Aluminum cans(12oz.)and lids |
| A0006-AB* | G1 | 694 grams | Mercury. |
| A0210-AB | G1 | | Scrap iron |

*new listing

Wastes Available

11. Miscellaneous

| ID | Region | Quantity | Waste |
|-----------|--------|----------------|---|
| A0228-AB | G4 | | Broken window glass |
| A0005-AB* | F2 | 18,000 ft/yr. | Used conveyor belts (rubber covered fabric with steel cable core). |
| A0058-AB | G2 | | Ground glass dust |
| A0060-AB | G1 | 20-60 T/yr. | Sorbead desiccant |
| A0083-AB | G2 | Unlimited | Absorbent materials from mining and processing |
| A0015-AB* | U.S.A. | 10 tons | Mirror scrap for glass furnaces and silver recovery. Samples available. Quantity continuous. |
| A0100-AB | G2 | | Used ballasts and transformers |
| A0483-AB | G2 | 150now;02/mon. | Lithium batteries (liquid cathode) from portable instruments |
| A0126-AB | G2 | | Mixture of sand and heavy oil |
| A0010-AB | F4 | 51 Units | Close Differential Voltage Relays Model 2CDVX-A |
| A0129-AB | G4 | 900 T/yr. | Filter press cake pH-8.65, water 68.74%, alumina 203-57.6% |
| A0154-AB | G2 | 40 gal./mo. | Waste flux |
| A0320-AB | G2 | 150 gal./yr. | Waste freon |
| A0472-AB | F4 | 50 ton/mon | Fiberglass matte containing glass 36%, water 50%, resin 4%, potential use - thermal or sound insulation |
| A0488-AB | F2 | Unlimited | Petroleum Coke with 7%S, 2%SiO ₂ , 2%Al ₂ O ₃ , potential fuel or deducing agent |
| A0022-AB* | G4 | 1500 lbs/wk | Chacoal - hardwood, granular passes 1/2" sieve, water washed |
| A0270-AB | F4 | 80 T/mo. | Oily clay |
| A0487-AB | F5 | 550 tons | Bottom ash, 44%-SiO ₂ ; 29%-Al ₂ O ₃ ; 9%-CaO; 7%-SO ₄ ; 5%-FeO. |
| A0013-AB | F4 | 7 Units | Transformers 100kva on pad (24,940V/480V/277V) |
| A0012-AB | F4 | 2 Units | Transmission towers, self supporting, self weathering 144kv |
| A0454-AB | G2 | 5 gal./mo. | Brake fluid |
| A0023-AB* | F4 | Unlimited | Laser toner cartridges and printer toner cartridges. |

* new listing

Wastes Wanted

1. Acids

| ID | Region | Quantity | Waste |
|----------|--------|--------------|---------------------------------------|
| W0243-AB | F4 | Tanker loads | Sulphuric Acid from battery recycling |

2. Alkalies

| ID | Region | Quantity | Waste |
|----------|--------|-------------|--|
| W0244-AB | F4 | Truck Loads | Calcium slurries, Calcium Hydroxide, Calcium Carbonate |
| W0208-AB | G2 | tonnage | Limestone or Hydrated lime for neutralization of soil acidity and sulphuric acid |
| W0236-AB | G5 | Unlimited | Sodium type waste Alkalies |

3. Other Inorganic Chemicals

| ID | Region | Quantity | Waste |
|----------|--------|--------------------------------|---|
| W0041-AB | G2 | 5 tn./mo. large quantities | Products containing plant nutrients NPKS (sulphate) magnesium |
| W0046-AB | G4 | | Scrap carbon or graphite - low ash, low volatile, low sulphur |
| W0177-AB | All | | Any product containing high percentage calcium and/or silica |
| W0173-AB | All | large quantities | Gypsum |
| W0175-AB | All | large quantities | Bauxite |
| W0081-AB | F4 | | Redundant chemicals - dry or liquid |
| W0174-AB | All | large quantities | Anhydrite |
| W0176-AB | All | large quantities | Alumina |
| W0104-AB | Ont. | truck load/tank car or barrels | MDI/TDI(Isocyanate), urethanes, polyol, glycol streams, acetone |

4. Solvents

| ID | Region | Quantity | Waste |
|-----------|---------|-----------|---|
| W0235-AB | Alberta | Unlimited | Polyols such as propylene glycol |
| W0160-AB | F4 | Unlimited | Waste solvents, including chlorinated and freons |
| W0014-AB* | G4 | Unlimited | Chlorinated and non-chlorinated solvents and waste inks and paints. |

5. Other Organic Chemicals

| ID | Region | Quantity | Waste |
|----------|--------|-----------|-------------------------------------|
| W0001-AB | G1 | Unlimited | All Glycols for recycle |
| W0076-AB | F4 | | Redundant chemicals - dry or liquid |

6. Oils and Waxes

| ID | Region | Quantity | Waste |
|----------|------------|------------|--|
| W0002-AB | W Canada/N | 1000T/year | Hydrocarbon contaminated soil, from oil exploration , production, and refining |
| W0095-AB | F4 | | Used lubricating oil, contaminated fuel and petroleum solvents |

Wastes Wanted

7. Plastics And Rubber

| ID | Region | Quantity | Waste |
|-----------|-----------|----------------------------|---|
| W0254-AB* | G2 | 1000T/Mo. | Polycarbonate or acrylic scrap plastic |
| W0023-AB | F4 | | Polyethylene and other waste plastics |
| W0251-AB | Alberta | Unlimited | Thermoplastic materials eg. flexible/rigid PVC, PE, PP etc. |
| W0203-AB | All | Unlimited | PE, PP, PVC, ABS, PS |
| W0111-AB | G4 | | Low density reclaimed film scrap |
| W0009-AB* | G2 | Unlimited | Used Poly drums for recycling |
| W0011-AB* | F4 | Unlimited | Used poly drums |
| W0142-AB | G2 | | Polyethylene and other plastics |
| W0003-AB* | F4 | 45,000 bales/wk | Bulk PET products. |
| W0205-AB | USA | Unlimited | PE, PP, PVC, PET, ABS plastics from recycling or industrial wastes |
| W0138-AB | B.C. | 20 tn. | Plastics |
| W0181-AB | Ont. | Unlimited | Plastics |
| W0191-AB | F4 | 10 tn./mo. | Polyethylene suitable for the manufacture of plastic bags |
| W0148-AB | F4 | Unlimited | Thermoset plastics, melamine formaldehyde, polycarbonates |
| W0241-AB | All | 100Kg/Mon | Polypropylene battery regrind |
| W0225-AB | W. Canada | 20000 lb. min | PLastics LDPE, PVC, PP, HDPE |
| W0234-AB | Alberta | Unlimited | Isocyanates includes MDI and TDI |
| W0242-AB | F4 | Unlimited | Mixed plastic wastes from industrial or post consumer sources |
| W0190-AB | Ont. | Unlimited | Natural rubber, SBR, vulcanized rubbers |
| W0218-AB | Ont. | Unlimited | Isocyanates or liquids containing isocyanates(MDI/TDI), hardened or outdated materials acceptable |
| W0204-AB | USA | Truck Load/ Low 10000LB | Chunk or ground all types of plastic scrap from molding or extrusion process |
| W0219-AB | W. Canada | 50,000kg/mon | Clear reground molding plastics eg. PE, PP, PS, ABS |
| W0157-AB | F4 | 5000 lbs./mo. | Urea formaldehyde |
| W0202-AB | All | Unlimited | Injection moulding plastics |

8. Textiles and Leather

| ID | Region | Quantity | Waste |
|----------|--------|----------|-------------------|
| W0053-AB | G2 | | Cotton rag wastes |

9. Wood and Paper

| ID | Region | Quantity | Waste |
|-----------|-----------|--------------|---|
| W0249-AB | F4 | 150ton/mon | Clean waste paper, white/coloured ledger, CPO |
| W0248-AB | G1 | 300ton/mon | Clean waste paper, white ledger,colored ledger, CPO |
| W0253-AB | F4 | Unlimited | Wooden pallets recyclable |
| W0042-AB | B.C. | | Most types of waste paper |
| W0043-AB | F4 | | Clean boxes for shipping |
| W0224-AB | F4 | Small/unlim. | White and coloured ledger and high grade paper |
| W0139-AB | F4 | Unlimited | Waste paper |
| W0201-AB | USA | 2000 tn./mo. | Waste paper, white ledger/colored ledger, CPO, CPO w/laser, hard white shavings, soft white shavings, cull roll materials |
| W0250-AB | W. Canada | Unlimited | Clean waste paper from industrial and office, colored ledger, CPO, CPO/Lazer, hard white shavings. |
| W0239-AB | G1 | Unlimited | Wood pallets any size or condition |
| W0004-AB* | F4 | Unlimited | Wooden pallets of all sizes and all states of repair. |

* new listing

Wastes Wanted

10. Metals and Metal Sludges

| ID | Region | Quantity | Waste |
|-----------|------------|-----------|--|
| W0221-AB | Alberta | Unlimited | Iron oxide from electric arc furnaces or mag tape production |
| W0028-AB | G1 | | Scrap aluminum, zinc, lead, bronze alloys and copper |
| W0027-AB | G1 | | Waste metals and salvage (brass, copper or lead) |
| W0008-AB* | Canada | Unlimited | Residues, by-products, sludges, catalysts, offspec, surplus, etc. containing any non-ferrous, precious, minor, or refractory metals. |
| W0006-AB* | F4 | Unlimited | Precious metal scrap containing Gold, Silver, Platinum, Palladium, Rhodium, Indium, Lawrencium & Osmium. |
| W0133-AB | F4 | Unlimited | Scrap steel, copper, aluminum from heavy industries |
| W0144-AB | F4 | Unlimited | Steel, copper, aluminum |
| W0092-AB | G2 | | Silver, precious and rare metals, film, aluminum |
| W0005-AB* | F4 | Unlimited | Used metal and plastic 45 gal. drums. |
| W0007-AB* | F4 | Unlimited | Non ferrous metals copper, lead and/or aluminum |
| W0231-AB | G1 | Unlimited | Batteries, all types |
| W0252-AB | Canada/USA | Unlimited | Baghouse dust containing zinc oxide dust(55%) |
| W0154-AB | G2 | Unlimited | Lead (for smelting) |
| W0012-AB* | F4 | Unlimited | Used steel drums for recycling |
| W0010-AB* | G2 | Unlimited | Used Steel Drums |
| W0015-AB* | G2 | Unlimited | Ferrous and Non-ferrous metals |

11. Miscellaneous

| ID | Region | Quantity | Waste |
|-----------|------------|------------------|---|
| W0021-AB | F4 | | Scrap fibreglass roof insulation |
| W0022-AB | G2 | | Flint cullet (clear glass) |
| W0186-AB | All | large quantities | Slag |
| W0187-AB | All | large quantities | Bottom ash |
| W0217-AB | Canada/USA | Truckloads | Kaolin clay, vermiculite, bentonite |
| W0188-AB | All | large quantities | Any finely powdered (micron range) product |
| W0013-AB* | F4 | Unlimited/cont | Laser toner cartridges and printer toner cartridges, Samples req. |
| W0240-AB | F1 | Unlimited | All Types of batteries |

* new listing

Services Available

1. Custom Services

| Area | Company | Phone/Fax |
|----------|--|--|
| Alberta | Enviro Desorption Inc. 104, 6815 - 8 Street N.E. Calgary, Alberta. T2E 7H7 Contact: Mr. D. Ross Charlesworth Service ID: S0166-AB | Telephone: (403)295-6320 Fax: |
| | On-site removal of hydrocarbon contaminants from soil by thermal desorption/vapour destruction process using completely portable, large capacity (up to 60 T/hr.) high temperature, rotary kiln incinerator. | |
| Alberta | Calfor Data Security Services Inc. 500, 437 - 36 Ave. S.E. Calgary, Alberta. T2G 1W5 Contact: Mr. Al Portz Service ID: S0143-AB | Telephone: (403)287-2925 Fax: |
| | Shredding of confidential documents, mobile units, removal of waste clean white paper. | |
| *Alberta | Diversified Environmental Services Ltd. P.O. Box 888 Red Deer, Alberta. T4N 5H3 Contact: Mr. Jerry McInnis Service ID: S0009-AB | Telephone: (403)343-9555 Fax: (403)343-3141 |
| | Collection and reconstitution of glycols. Reconditioning of large volumes "On-site" anywhere in Alberta. | |
| Alberta | Canadian Turbo Inc. 9830 - 34 Street Edmonton, Alberta. T6B 2Y5 Contact: Mr. D.M. Cameron/Mr. M Wargacki Service ID: S0028-AB | Telephone: (403)466-2114 Fax: |
| | Will collect used lubricating oil for re-refining. | |
| Alberta | SIL-GOL Recycling Canada Ltd. #4, 1303 - 44th Ave., N.E. Calgary, Alberta. T2E 2A5 Contact: Mr. Steven Turner Service ID: S0002-AB | Telephone: (403)291-0464 Fax: |
| | Custom recovery of silver, gold and aluminum. | |
| Alberta | M-4 Holdings Ltd. Box 227, R.R.#6 Edmonton, Alberta. T5B 4K3 Contact: Ms. Lynne M. Link Service ID: S0067-AB | Telephone: (403)973-9161 Fax: |
| | Reconditioning services for used railroad track spikes and rail anchors. | |

* new listing

Services Available

1. Custom Services

| Area | Company | Phone |
|----------|--|--|
| Alberta | B.F.I. Waste Systems Ltd. 5566 - 54 Avenue S.E. Calgary, Alberta. T2C 3A5 Contact: Mr. Tom Loewen Service ID: S0100-AB | Telephone: (403)236-3883 Fax: (403)279-0317 |
| | Disposal of contaminated medical waste, infectious materials. | |
| Alberta | Wild Rose Recycling P.O. Box 6628 Wetaskiwin, Alberta. T9A 2G3 Contact: Mr. Charles Jackson Service ID: S0111-AB | Telephone: (403)352-4250 Fax: |
| | Disposal and pick-up of scrap batteries. | |
| *Alberta | CEDA-Reactor Ltd. 200, 6712 Fisher Street, S.E. Calgary, Alberta. T2H 2A7 Contact: Ms. Adrienne Girard Service ID: S0135-AB | Telephone: (403)253-3233 Fax: (403) 252-758 |
| | Complete hazardous waste management: Lab Packs; Soil Remediation; Disposal; Emergency Response; Transportation. | |
| Alberta | Alberta Research Council, Ind. Serv. P.O Box 8830, Postal Stn.F Edmonton, Alberta. T6H 5X2 Contact: Dr. E. F. Bertram Service ID: S0122-AB | Telephone: (403)450-5407 Fax: |
| | Specialized materials evaluation. | |
| Alberta | Gallason Industrial Cleaning Services Inc. 11228 - 87 Avenue Fort Saskatchewan, Alberta. T8L 2T2 Contact: Mr. Mark Johnson Service ID: S0124-AB | Telephone: (403)998-7773 Fax: |
| | Industrial vacuum, high pressure water washing, catalyst handling. | |
| *Alberta | Newalta Corporation 400, 333 - 11th Avenue S.W. Calgary, Alberta. T2R 1L9 Contact: Mr. John Knoeck Service ID: S0024-AB | Telephone: (403)288-6556 Fax: (403)265-1386 |
| | Oilfield processing and disposal services throughout Alberta, including: Environmental Waste Management-emergency response programs, handling and transportation of hazardous waste, site clean-up and remediation; Waste Filter Disposal-portable shredder service, bin rentals, collection, processing, packaging and disposal; Solid Waste Disposal; Oil and Water Disposal-process oil to pipeline, dispose of produced and completion water, oil spills, tank bottoms, workover fluids. | |

* new listing

Services Available

1. Custom Services

| Area | Company | Phone |
|---------|---|--|
| Alberta | Wearmouth Waste-Tech Inc. Box 1, Site 1, R.R.#5 Calgary, Alberta. T2P 2G6 Contact: Mr. Jeff Wearmouth Service ID: S0138-AB | Telephone: (403)236-2202 Fax: (403) 279-307 |
| | Provide pick-up, handling and transportation of small quantities of hazardous wastes, lab wastes, clean-up wastes, industrial site closures, PCB ballasts and capacitors. | |
| Alberta | International Solvent Corporation P.O. Box 242 Nisku, Alberta. T0C 2G0 Contact: Mr. James Andru Service ID: S0089-AB | Telephone: (403)955-2390 Fax: |
| | Recycling of waste solvents. | |
| Alberta | Precision Plastics Ltd. 9620 27 Avenue Edmonton, Alberta. T6N 1B2 Contact: Mr. Ralph Acres Service ID: S0150-AB | Telephone: (403)462-3969 Fax: |
| | Custom regrinding of thermoplastic materials including rigid/flexible PVC, PE, PP, Polycarbonates and Acrylics | |
| Alberta | Norwest Labs 9938 - 67 Avenue Edmonton, Alberta. T6E 0P5 Contact: Ms. Cheryl Shea Service ID: S0132-AB | Telephone: (403)438-5522 Fax: (403)438-0396 |
| | Analysis and characterization of most chemical waste products. | |
| Alberta | Calfor Data Security Service Inc. 4411 - 82 Avenue Edmonton, Alberta. T6B 2L9 Contact: Mr. Will Wager Service ID: S0144-AB | Telephone: (403)469-5126 Fax: |
| | Shredding of confidential documents, mobile units, and removal of clean waste paper | |
| Alberta | Maple Leaf Metal Industries 4510 - 68 Avenue Edmonton, Alberta. T6B 2N2 Contact: Mr. Gordon Schroeder Service ID: S0139-AB | Telephone: (403)468-3951 Fax: |
| | Removal of scrap metals including aluminum, copper brass, steel, cast iron, batteries and car bodies. | |

Services Available

1. Custom Services

| Area | Company | Phone |
|---------|---|--|
| Alberta | Technisol Incorporated P.O. Box 1268, 523 - 5th St. South Lethbridge, Alberta. T1J 4K1 Contact: Mr. Randy Haynes Service ID: S0105-AB | Telephone: (403)320-8211 Fax: (403)320-5547 |
| | Services include the recovery and recycling of waste chlorinated solvents (dry cleaning and degreaser solvents), non-chlorinated solvents (paint and ink solvents), glycols (anti-freeze) and amines. | |
| Alberta | Envirocycle #200, 437 - 36 Avenue S.E. Calgary, Alberta. T2G 1W5 Contact: Mr. Steve Kendall Service ID: S0145-AB | Telephone: (403)287-2953 Fax: (403)243-5752 |
| | Recycling of clean waste paper, set up office programs for collection and processing. | |
| Alberta | Technology Transfer Inc. 14420 -116 Avenue Edmonton, Alberta. T5M 4B4 Contact: Mr. Mike Dutka Service ID: S0167-AB | Telephone: (403)455-8053 Fax: (403)454-5253 |
| | Technology available for the recovery of photographic film fixer solutions resulting in the elimination of waste and producing total recycle of solutions. | |
| Alberta | Laidlaw Waste Systems Ltd. P.O. Box 12006 Edmonton, Alberta. T5J 3L2 Contact: Mr. Don Hughes Service ID: S0035-AB | Telephone: (403)440-1700 Fax: |
| | Clean up and removal of solid wastes. (No liquid or radioactive materials). | |
| Alberta | Budget Battery P.O. Box 5027 Peace River, Alberta. T8S 1R7 Contact: Mr. Ray Keip Service ID: S0140-AB | Telephone: (403)332-4229 Fax: |
| | Pick up and disposal of used batteries and scap metals | |
| Alberta | Harpers Metals Ltd. 5835 Kerrywood Drive Red Deer, Alberta. T4N 4X5 Contact: Mr. Randy Harper Service ID: S0119-AB | Telephone: (403) 346-4185 Fax: |
| | Metals removal. | |

Services Available

1. Custom Services

| Area | Company | Phone |
|----------|--|---|
| Alberta | Alberta Special Wastes Services Association 335, 10909 - Jasper Ave. Edmonton, Alberta. T5J 3L9 Contact: M.r Colin Mcleod Service ID: S0023-AB | Telephone: (403)424-6384 Fax: (403)420-0622 |
| | Referral service to over 125 environmental management companies. | |
| Alberta | Pentastar Oil Recycling & Rentals Ltd. General Delivery Stauffer, Alberta. T0M 1W0 Contact: Mr. Fred Baumann Service ID: S0005-AB | Telephone: (403)746-5455 Fax: |
| | Pick-up of used oil, oil spill reclamation and disposal service for salt and fresh water. | |
| *Alberta | Architectural Clearinghouse 5920 - 103 Street Edmonton, Alberta. T6H 2H6 Contact: Mr. Brad Gerrand Service ID: S0018-AB | Telephone: (403)436-1222 Fax: (403)436-3396 |
| | Markets used building materials from field locations via a computerized inventory system, thereby co-ordinating materials available and wanted. Modern access and the publication of a catalogue facilitates material redistribution. Initial and software charges will apply. | |
| Alberta | C & A Auto Recycling P.O. Box 52 Millet, Alberta. T0C 1Z0 Contact: Mr. Colin Kerr Service ID: S0104-AB | Telephone: (403)387-4184 Fax: |
| | Recycling of crushed car bodies. | |
| Alberta | Chem-Security (Alberta) Ltd. P.O. Box 312 Nisku, Alberta. T0C 2G0 Contact: Mr. Gord Godin Service ID: S0090-AB | Telephone: 1-800-642-3830 Fax: (403)955-2115 |
| | Custom handling and disposal of all hazardous and special wastes excluding radioactive materials or explosives. Operates the Alberta Special Waste Treatment Center in Swan Hills and transports the wastes to it. | |
| Alberta | Big M Plastics Ltd. 622 - 30th Street, N. Lethbridge, Alberta. T1H 3Z2 Contact: Ms. Bev McGee Service ID: S0094-AB | Telephone: (403)328-0364 Fax: |
| | Reclaims film scrap. | |

* new listing

Services Available

1. Custom Services

| Area | Company | Phone |
|-----------------------------|---|--|
| Alberta | Urban Ore Farms P.O. Box 1420 Devon, Alberta. T0C 1E0 Contact: Mr. George Miasnikoff Service ID: S0007-AB | Telephone: (403)987-2100 Fax: (403)987-3384 |
| | Stationary and portable tire shredder available. Produces 1.5 inch strips of consistent size. Other materials to shred will be considered. | |
| Alberta (North and Central) | Davis Scrap Division of Matrix Holdings 11404 - 143 Street Edmonton, Alberta. T5M 1V6 Contact: Mr. Ivor LeBune Service ID: S0060-AB | Telephone: (403) 455-2171 Fax: |
| | Buy and sell scrap metals. | |
| Alberta (North) | Union Carbide - Linde Division 9501 - 34 Street Edmonton, Alberta. T6B 2X6 Contact: Mr. Gerry Nordick Service ID: S0042-AB | Telephone: (403)449-0778 Fax: (403)449-5302 |
| | Neutralize waste acids with lime on a regular basis at locations in Edmonton and Calgary. | |
| Alberta (North) | Alvic Scrap Metal & Salvage P.O. Box 1843 Bonnyville, Alberta. T0A 0L0 Contact: Mr. Al Maron Service ID: S0053-AB | Telephone: (403)826-4195 Fax: |
| | Clean-up and handling of metal wastes, alloys, etc. | |
| Alberta (South) | Union Carbide - Linde Division 8009 - 42 Street S.E. Calgary, Alberta. T2C 2T4 Contact: Mr. Gerry Klotz Service ID: S0014-AB | Telephone: (403)279-4796 Fax: |
| | Neutralize waste acids with lime on a regular basis at locations in Edmonton and Calgary. | |
| Alberta (South) | Great Western Containers, Inc. 7815 - 46 Street, S.E. Calgary, Alberta. T2C 2Y5 Contact: Mr. Randy Empringham Service ID: S0031-AB | Telephone: (403)279-2090 Fax: (403)279-0692 |
| | Recondition, purchase or disposal of used steel or poly drums. We also supply overpack drums, new steel or poly drums, pails, and metal cans. | |

Services Available

1. Custom Services

| Area | Company | Phone |
|------------------------|--|--|
| Alberta, B.C. | <p>Ekaton Energy Limited 660/600 - 6 Avenue S.W. Calgary, Alberta. T2P 0S5 Contact: Mr. L.E.W. Hogg Service ID: S0006-AB</p> <p>Produces an industrial absorbent which is inert and able to handle liquid wastes as in acid, bromide, etc. Initiating devices to handle clean-ups, toxic chemicals, etc. utilizing its clay based absorbent.</p> | <p>Telephone: (403) 233-841 Fax:</p> |
| Alberta, B.C. | <p>Scrapco Metal Brokers Ltd. 9439 - 34 Street Edmonton, Alberta. T6B 2X6 Contact: Mr. Edward Prikupets Service ID: S0070-AB</p> <p>Specialize in the recycling of all types of scrap metals.</p> | <p>Telephone: (403)466-3825 Fax:</p> |
| Alberta, B.C. | <p>General Scrap Iron & Metals Ltd. 11915 - 156 Street Edmonton, Alberta. T5V 1E8 Contact: Mr. R. D. Persson Service ID: S0068-AB Buy, sell and process all types of scrap metals.</p> | <p>Telephone: (403)452-5865 Fax:</p> |
| Alberta, Man. | <p>Allied Paper Savers 16345 - 130 Avenue Edmonton, Alberta. T5V 1K5 Contact: Mr. Jack Astill Service ID: S0097-AB</p> <p>Buys and collects all types of used paper (newsprint, corrugated cardboard, computer white and coloured ledger, mixed waste, etc.).</p> | <p>Telephone: (403)447-1648 Fax:</p> |
| Alberta/West Canada | <p>Canadian Chemical Reclaiming Ltd. 610 Prairie Meadows Close Brooks, Alberta. T1R 0C9 Contact: Mr. Todd Beasley Service ID: S0117-AB</p> <p>Portable refining — reclaim all grades of ethanolamines, glycols, sulfolanes and sulfinol.</p> | <p>Telephone: (403)362-6229 Fax:</p> |
| Calgary | <p>Dataway Limited P.O. Box 6958, Stn. D Calgary, Alberta. T2P 2G2 Contact: Mr. Jay C. Patel Service ID: S0153-AB</p> <p>Specializing in corporate waste management. Office recycling, document shredding.</p> | <p>Telephone: (403)279-7109 Fax:</p> |

Services Available

1. Custom Services

| Area | Company | Phone |
|----------|---|--|
| *Calgary | B.F.I. Waste Systems Ltd. 5566 - 54 Avenue S.E. Calgary, Alberta. T2C 3A5 Contact: Mr. Tom Loewen Service ID: S0099-AB | Telephone: (403)236-3883 Fax: (403)279-0317 |
| | Solid waste collection, recycling, landfill and industrial/oilfield waste disposal. | |
| Canada | Wells-Hall Fabrication & Construction Ltd. 6115 - 30 Street Edmonton, Alberta. T6P 1J8 Contact: Mr. Ted Willis Service ID: S0054-AB | Telephone: (403)465-3391 Fax: |
| | Manufactures 'waste to energy' products, thermal waste destruction. Equipment will take waste streams consisting of newsprint, tires, solvents and oils, agricultural wastes, sludges, wood and wood bark, some plastics and synthetics, coal and peat. | |
| Canada | Parkes Scientific Canada Inc. 76 Quesnell Road Edmonton, Alberta. T5R 5N2 Contact: Mr. Lance Parkes Service ID: S0076-AB | Telephone: (403)484-1849 Fax: |
| | Distributors of Finnish company "Little Still" solvent recycling equipment (3 gal./day to 200 gal./hr.) and Sanborn/Donaldson Filtration centrifuge systems for process/fluid coolant recovery. | |
| Canada | Dowalco Agencies Ltd. P.O. Box 772, Stn.T Calgary, Alberta. T2H 2H3 Contact: Mr. Don Cooper Service ID: S0003-AB | Telephone: (403)279-0362 Fax: |
| | Supply and servicing of geiger counters and other devices for safe handling of radioactive waste. Signs and placards for hazardous goods handling. Can conduct leak tests on sealed radioactive sources. | |
| Canada | Eco-Bac #128, 2723 - 37th Avenue, N.E. Calgary, Alberta. Contact: Mr. Terry Wardale Service ID: S0159-AB | Telephone: (403)250-3305 Fax: |
| | Bacterial-remediation of oily wastes, waxes, hydrocarbon based materials. | |
| Canada | A.B.T. Equipment Mfg. Ltd. P.O. Box 1201, Stn.T Calgary, Alberta. T2H 2H5 Contact: Mr. John J. Grubb Service ID: S0130-AB | Telephone: (403)243-4665 Fax: |
| | Manufacturer of can crushing equipment from small sizes to 45 gal. drums, can washing equipment. Also able to crush loose car body and fender parts. | |

* new listing

Services Available

1. Custom Services

| Area | Company | Phone |
|---------------|--|--------------------------------------|
| Canada | Scepter Manufacturing Co. Ltd. 4225 92 Ave. Edmonton, Alberta. T6B 3M7 Contact: Mr. D.H. Lloyd Service ID: S0080-AB | Telephone: (403)468-4444 Fax: |
| | Crosslink poly tanks, U.S. D.O.T. approved transportable tanks complete with fork lift and stacking features, free standing storage tanks to 16,400 U.S. gallon capacity, plastic pipe, valves and fittings for chemical handling. | |
| Canada (West) | Mayer Metals Ltd. 9931 - 67 Avenue Edmonton, Alberta. T6E 0P6 Contact: Mr. Geoffrey K. Mayer Service ID: S0052-AB | Telephone: (403) 438-5107 Fax: |
| | Will handle all metal and metal bearing products. | |
| Canada (West) | Stuart Hunt and Associates 26 Rayborn Crescent St. Albert, Alberta. T8N 5B8 Contact: Mr. Stuart Hunt Service ID: S0050-AB | Telephone: (403)458-0291 Fax: |
| | PCB and radioactive waste management, decontamination of work sites and consultation on hazardous waste management programmes. | |
| Canada (West) | Trecan Combustion Ltd. 4620 Manilla Road S.E. Calgary, Alberta. T2G 4B7 Contact: Mr. Peter Richardson Service ID: S0084-AB | Telephone: (403)243-5570 Fax: |
| | Custom design or supply of standard sizes of incinerator for solid wastes, liquids, fumes and gases to meet environmental requirements. | |
| Canada (West) | EPC (Canada) Inc. 1101, 1200 - 6th Street S.W. Calgary, Alberta. T2R 1H3 Contact: Mr. Patrick White Service ID: S0110-AB | Telephone: (403)262-1930 Fax: |
| | Custom handling of oily waste products. | |
| Canada (West) | Western Research 1313 - 44 Avenue N.E. Calgary, Alberta. T2E 6L5 Contact: Mr. Rick Connery Service ID: S0141-AB | Telephone: (403)291-1313 Fax: |
| | Investigative studies for organic contaminants and/or constituents using Gas Chromatography/mass Spectrometry. PCB's organic and inorganic priority pollutants. volatile and semi-volatile organics in soil and water. | |

Services Available

1. Custom Services

| Area | Company | Phone |
|-----------------------|--|--------------------------------------|
| Canada (West) | Chemex Labs Alberta Inc. 2021 - 41 Avenue N.E. Calgary, Alberta. T2E 6P2 Contact: Mr. D. Dougherty Service ID: S0123-AB | Telephone: (403)291-3077 Fax: |
| | Independent analysis of most waste materials for identification, characterization, evaluation, clean-up, treatment and/or disposal decisions. | |
| Canada (West), USA | Impact Industries (Western) Ltd. Box 70 Lacombe, Alberta. T0C 1S0 Contact: Mr. John Othius Service ID: S0036-AB | Telephone: (403)782-3115 Fax: |
| | Purify off-spec sulfur, and sulphur related commodities. | |
| Canada, USA | Catalyst Recovery Canada Ltd. P. O. Box 1116 Medicine Hat, Alberta. T1A 7H3 Contact: Mr. Greg Hamston Service ID: S0078-AB | Telephone: (403) 527-4400 Fax: |
| | Complete catalyst handling services. | |
| Canada, USA | Keller Environmental Services 6011 - 87A Street Edmonton, Alberta. T6E 5W6 Contact: Mr. J. Cheladyn Service ID: S0107-AB | Telephone: (403)468-5991 Fax: |
| | Solid and liquid waste incinerators, waste gas incinerators, burner management, flare ignition and controls, water and waste water treatment equipment. | |
| Canada, USA | Catalyst Technology (Canada) Ltd. 8103 - 43 Street Edmonton, Alberta. T6B 2M3 Contact: Mr. James R. Moses Service ID: S0066-AB | Telephone: (403)468-4544 Fax: |
| | Hazardous and dangerous goods materials, spill clean-ups, heavy industrial vacuuming, inert entry, materials screening. | |
| Canada, USA | Agmet Metals, Inc. P.O. Box 39338 Solon, Ohio 44139. U.S.A. Contact: Mr. Alan Schiiff Service ID: S0113-AB | Telephone: (216)439-7400 Fax: |
| | Purchases and processes wastes and by-products such as residues, concentrates, ashes, sludges, plating wastes, etc. containing such metals as nickel, copper, cobalt, tungsten, zinc, molybdenum, cadmium and all precious metals. Will assist the generator in areas such as freighting, containment and site clean-up. | |

Services Available

1. Custom Services

| Area | Company | Phone |
|-------------|--|--|
| Canada, USA | Petwa Canada Ltd. 4120 - 23rd Street, N.E. Calgary, Alberta. T2E 6W9 Contact: Mr. Graham Medworth Service ID: S0041-AB | Telephone: (403)250-2650 Fax: |
| | Expertise in the treatment of water and wastewater as well as solid waste incineration. Have a fully qualified engineering staff who design customized package water and wastewater equipment. | |
| Canada, USA | Matt's Manufacturing Ltd. 8512 - 44 Street S.E. Calgary, Alberta. T2P 2G6 Contact: Mr. Matt Plesea Service ID: S0106-AB | Telephone: (403)279-9353 Fax: |
| | Designs, fabricates and supplies speciality equipment for custom handling of all hazardous wastes excluding radioactive materials or explosives. | |
| Canada, USA | Falconbridge Ltd. P.O. Box 40, Commerce Court West Toronto, Ontario. M5L 1B4 Contact: Mr. Jack Dupuis Service ID: S0120-AB | Telephone: (416)863-7260 Fax: (416)863-7034 |
| | Refining of nickle, cobalt and secondary materials. | |
| Edmonton | LaFarge Construction Materials- NAR Box 159 Edmonton, Alberta. T5J 2J1 Contact: Mr. Owen Burgess Service ID: S0161-AB | Telephone: (403)422-6161 Fax: (403)425-8882 |
| | Disposal of dry construction waste including clean clay, concrete and asphalt. | |
| Edmonton | Tech-2 Silver Collection Services 11111 - 105 Avenue Edmonton, Alberta. T5H 0M5 Contact: Mr. Ken Maggs Service ID: S0004-AB | Telephone: (403)423-5922 Fax: |
| | Custom recovery of silver, gold, aluminum from film and photographic chemicals. | |
| Edmonton | B.F.I. Waste Systems 3410 - 74 Avenue Edmonton, Alberta. T6B 2P7 Contact: Mr. Tom Loewen Service ID: S0098-AB | Telephone: (403)468-6801 Fax: |
| | Industrial solid waste removal, medical waste handling and destruction. | |

Services Available

1. Custom Services

| Area | Company | Phone |
|----------------|---|--|
| *Lethbridge | B.F.I. Waste Systems Ltd. 723 - 30 Street North Lethbridge, Alberta. T1H 5G7 Contact: Mr. Gerald Marshall Service ID: S0102-AB | Telephone: (403)328-6355 Fax: (403)320-0372 |
| | Industrial, commercial and residential waste removal compactor system design and installation. Recycling oilfield solid waste and filter collection. | |
| Medicine Hat | B.F.I. Waste Systems 1508 Brier Park Crescent Medicine Hat, Alberta. T1A 7H3 Contact: Ms. Lois Steen Service ID: S0101-AB | Telephone: (403)527-1942 Fax: |
| | Solid waste removal. | |
| N. Alberta | Halford Hide and Leather Co. Ltd. 8629 - 126 Avenue Edmonton, Alberta. T5B 1G8 Contact: Mr. Jeff McNish Service ID: S0156-AB | Telephone: (403)474-4989 Fax: |
| | Collects and reconditions wooden pallets. | |
| N. Alberta | Great Western Containers, Inc. 1912 - 66 Ave. Edmonton, Alberta. T6P 1M4 Contact: Mr. Eugene Trepanier Service ID: S0032-AB | Telephone: (403)440-2222 Fax: (403)440-4763 |
| | Recondition, purchase or disposal of used steel or poly drums. We also supply over pack drums, new steel or poly drums and pails, and metal cans. | |
| Red Deer North | Urban Ore Farms P.O. Box 1420 Devon, Alberta. T0C 1E0 Contact: Mr. George Miasnikoff Service ID: S0152-AB | Telephone: (403)987-2100 Fax: (403)987-3384 |
| | Licenced landfill accepting calcium slurries, organic wastes and compost materials for recycling. Facility to reclaim industrial slurries and composting organic wastes. Free advisory service for materials we do not accept. New services added as required for major waste generators. | |
| *USA/CAN. | Essex Waste Management Services, Inc. P.O. Box 1029 Lee's Summit, Missouri. 64063 Contact: Mr. Edward Sechrest Service ID: S0012-AB | Telephone: (816)525-1119 Fax: |
| | Provides a large variety of remedial, compliance and hazardous waste compliance services. Also able to provide laboratory, transportation services and turn-key PCB disposal. | |

* new listing

Services Available

1. Custom Services

| Area | Company | Phone |
|----------------|--|--|
| Western Canada | Custom Environmental Services Ltd. 7722 - 9 Street Edmonton, Alberta. T6P 1L6 Contact: Mr. Larry Loven Service ID: S0162-AB | Telephone: (403)440-1825 Fax: (403)440-2428 |
| | Complete hazardous and special waste management services; remediation, recycling and disposal, PCB management; Emergency response; spill control and clean-up. | |
| Worldwide | G.Wm. Bailey International Ltd. P.O. Box 7426, Station E Calgary, Alberta. T3C 3M2 Contact: Mr. Bill Bailey Service ID: S0077-AB | Telephone: (403)240-3530 Fax: |
| | Rubber recycling equipment capable of shredding all types of rubber producing any size metal and nylon free crumb. Also has available waste to energy incineration equipment which handles solids, liquids, sludges or a combination of all producing heat, steam and/or electricity. System is available for purchase or on a contract basis. | |

Services Available

2. Consultants

| Area | Company | Phone |
|-----------|--|--|
| *Alberta | Raylew Enterprise Ltd. P.O. Box 3375, Station D Edmonton, Alberta. T5L 4J2 Contact: Mr. Neil Lewis Service ID: S0011-AB | Telephone: (403)454-0224 Fax: (403)452-9710 |
| | Electrical and mechanical materials consultants. Recycling for re-use and investment return. | |
| *AB,BC,WA | Mohawk Lubricants 130 Forrester Street North Vancouver, B.C.. V7H 2M9 Contact: Mr. Frank McGovern Service ID: S0021-AB | Telephone: (604)929-1283 Fax: (604)929-8371 |
| | Collection of used lubricating oil for Re-refining purposes throughout British Columbia, Alberta and Washington State. | |
| Alberta | Environmental Waste Systems 5366 - 55 Street, S.E. Calgary, Alberta. T2C 3G9 Contact: Mr. Jim Kearns Service ID: S0165-AB | Telephone: (403)236-1988 Fax: (403)264-7887 |
| | Project management and consulting for hazardous waste management systems. | |
| *Alberta | Shauna Alexander Group 44 Swallow Avenue Sherwood Park, Alberta. T8A 3H5 Contact: Mr. Bruce Silzer Service ID: S0010-AB | Telephone: (403)464-7059 Fax: |
| | Creative writing, graphic design and planning resources for environmental educational materials. Seminar/workshop, training course development. Recycled paper distribution, printing services (company manuals, literature). | |
| *Alberta | EBA Engineering Consultants Ltd. 14535 - 118 Avenue Edmonton, Alberta. T5L 2M7 Contact: Dr. David Y. F. Ho Service ID: S0013-AB | Telephone: (403)451-2121 Fax: (403)454-5688 |
| | Pre-acquisition site audits and assessments; contamination and remediation studies including the identification, delineation and clean-up of surface and subsurface contamination, waste management. | |
| Alberta | Second Source Service Box 181 Blackfalds, Alberta. T0M 0J0 Contact: Mr. Bob Ketcheson Service ID: S0016-AB Specializes in the production of methane from animal wastes. Consultation services are available in this and other areas involving alternate energy. | Telephone: (403)885-4750 Fax: |

* new listing

Services Available

2. Consultants

| Area | Company | Phone |
|---------------|---|--|
| *Alberta | Diversified Environmental Services Ltd. P.O. Box 888 Red Deer, Alberta. T4N 5H3 Contact: Mr. Jerry McInnis Service ID: S0008-AB | Telephone: (403)343-9555 Fax: (403)343-3141 |
| | Waste Stream Management – Including on-site separations and blending services for chemicals – waste filter and container transportation. | |
| *Alberta | PCT Pollution Control Technologies Ltd. 100, 4500 - 16 Avenue, N.W. Calgary, Alberta. T3B 0M6 Contact: Mr. Joseph F. Wells Service ID: S0015-AB | Telephone: (403)286-3663 Fax: (403)247-4811 |
| | On-site identification of unknown chemicals, hazardous waste classification, packing and transportation. Site assessments, contaminant remediation, and occupational hygiene. | |
| Alberta | Canadian Management Group 2420, Metropolitan Pl., 10303 Jasper Avenue Edmonton, Alberta. T5J 3N6 Contact: Dr. Iain Clayre Service ID: S0001-AB | Telephone: (403)424-4600 Fax: (403)424-2911 |
| | Consulting to the public and private sector in waste management. Specializing in feasibility studies for recycling of specific materials. Developing processes and procedures for these recycling studies. | |
| *Alberta | I.D. Systems Ltd. #804, 5241 -Calgary Trail Southbound Edmonton, Alberta. T6H 5G8 Contact: Ms. Kirstin Castro-Wunsch Service ID: S0020-AB | Telephone: (403)434-8468 Fax: (403)438-3884 |
| | Set up of ongoing environmental programs; conduct industrial waste minimization/assessments; site decontamination and remediation; economic engineering and technical evaluations of waste management programmes; environmental management. | |
| Alberta, B.C. | International Paper Industries Ltd. 132 Riverside Drive North Vancouver, British Columbia. V7H 1T9 Contact: Ms. Amy Wong Leung Service ID: S0022-AB | Telephone: (604)687-4448 Fax: |
| | Consultation to assist in setting up curbside waste paper collection programs. | |
| Alberta, NWT | Sereda Marsh & Associates Ltd. 5418 - 97 Street Edmonton, Alberta. T6E 5C1 Contact: Mr. Jack Marsh Service ID: S0061-AB | Telephone: (403)437-3276 Fax: |
| | Consulting engineering, waste management. | |

* new listing

Services Available

2. Consultants

| Area | Company | Phone |
|----------------|--|--------------------------------------|
| Alberta, NWT | Strathcona Engineering Ltd. P.O. Box 11844 WE Edmonton, Alberta. T5J 3K9 Contact: Mr. Peter Schneider Service ID: S0071-AB | Telephone: (403) 465-5888 Fax: |
| | SEL offers services from feasibility studies to design project commissioning for municipal, industrial and institutional projects in the area of solid and liquid wastes, including bio-hazardous and chemical hazardous wastes. | |
| Alberta, Sask. | Merritt Process & Research Ltd 610 Lake Simcoe Close S.E. Calgary, Alberta. T2J 5H2 Contact: Mr. Dwight Merritt Service ID: S0131-AB | Telephone: (403)278-5104 Fax: |
| | Process engineering services for industrial effluent waste water treatment and for reclaiming of waste amines, glycols, sulfolane and sulfinol. | |
| Canada | Eco-Bac #128, 2723 - 37th Avenue, N.E. Calgary, Alberta. Contact: Mr. Terry Wardale Service ID: S0160-AB | Telephone: (403)250-3305 Fax: |
| | Consultation on bioremediation of oil wastes and Hydrocarboncontaminated soils. | |
| Canada (West) | Mayer Metals Ltd. 9931 - 67 Avenue Edmonton, Alberta. T6E 0P6 Contact: Mr. Geoffrey K. Mayer Service ID: S0118-AB | Telephone: (403) 438-5107 Fax: |
| | Service consultants in the removal of all waste materials. | |
| Canada (West) | FMS Lavalin Inc. 909 - 5 Avenue SE Calgary, Alberta. T2P 3G5 Contact: Mr. Emilien Roy Service ID: S0063-AB | Telephone: (403)294-2100 Fax: |
| | Consulting services in solid waste management, water treatment and anaerobic digester systems. Affiliated with Paques-Lavalin. | |
| Canada (West) | Delta Projects Inc. 8500 MacLeod Trail South Calgary, Alberta. T2H 2N7 Contact: Mr. T. Sowiak Service ID: S0065-AB | Telephone: (403) 259-0411 Fax: |
| | Consulting services, design, engineering and construction of water and waste treatment plants, including anaerobic systems. | |

Services Available

2. Consultants

| Area | Company | Phone |
|---------------|--|--|
| Canada (West) | Hardy BBT Limited 219-18 Street, S.E. Calgary, Alberta. T2E 6J5 Contact: Mr. Richard H. Leitch Service ID: S0087-AB | Telephone: (403)248-4331 Fax: |
| | Consulting services in waste management, spill site assessment, clean-up and reclamation. | |
| Canada (West) | Western Research 1313 - 44 Avenue N.E. Calgary, Alberta. T2E 6L5 Contact: Mr. Rick Connery Service ID: S0142-AB | Telephone: (403)291-1313 Fax: |
| | Comprehensive waste management planning, consulting sampling, analysis, site assessment and remediation. Environmental audits are also conducted. | |
| Canada (West) | Monarch Mirror Door Co. Inc. 21325 Superior Street Chatsworth (LA), CA. 91311 Contact: Mr. Gabor Kony Service ID: S0047-AB | Telephone: (818) 998-6444 Fax: (818) 882-8325 |
| | Offer planning and management for waste disposal/tracking options in the resource industries. Marketing of a waste management/accounting database management system. Provides consulting services for industrial site clean-ups. | |
| Canada (West) | Stanley Associates Engineering Ltd. 10160 - 112 Street Edmonton, Alberta. T5K 2L6 Contact: Mr. Matt Cohen Service ID: S0079-AB | Telephone: (403)423-4777 Fax: |
| | Consulting in solid, liquid, and hazardous waste disposal. | |
| Canada, USA | Industrial By-Product Recycling Inc. 250, 603 - 11 Avenue S.W. Calgary, Alberta. Contact: Mr. Alan Davis Service ID: S0017-AB | Telephone: (403)264-8778 Fax: (403)266-4427 |
| | Consultation offered in the areas of spent catalyst reclamation and disposal. | |
| Canada, USA | Catalyst Technology (Canada) Ltd. 8103 - 43 Street Edmonton, Alberta. T6B 2M3 Contact: Mr. James R. Moses Service ID: S0073-AB | Telephone: (403)468-4544 Fax: |
| | Environmental consultants on dangerous and hazardous spills. Pre-safety planning and first response specialized team. | |

Services Available

2. Consultants

| Area | Company | Phone |
|----------------|---|--|
| Canada, USA | Keller Environmental Services 6011 - 87A Street Edmonton, Alberta. T6E 5W6 Contact: Mr. J. Cheladyn Service ID: S0108-AB | Telephone: (403)468-59 Fax: |
| | Waste management surveys; solid, liquid and waste gas disposal options; water and waste water treatment. | |
| Canada, USA | M. Siekerka, Industrial Recycling Consultant 607 South 5th Street Springfield, Illinois. 62701 Contact: Ms. Margo Siekerka Service ID: S0137-AB | Telephone: (217)789-4133 Fax: |
| | Any industrial waste placement or location. | |
| International | RTM Engineering Ltd. #200, 6130 - 3rd Street S.E. Calgary, Alberta. T2H 1K4 Contact: Mr. Earnest S. McCutcheon P.Eng. Service ID: S0155-AB | Telephone: (403)253-4465 Fax: (403)252-9494 |
| | Environmental auditing, NOx/VOC analysis, Incineration and waste disposal design, Biological digestion process design; Process review and analysis. | |
| Western Canada | Custom Environmental Services Ltd. 7722 - 9 Street Edmonton, Alberta. T6P 1L6 Contact: Mr. Larry Loven Service ID: S0163-AB | Telephone: (403)440-1825 Fax: (403)440-2428 |
| | Consulting on industrial waste management, transportation of hazardous and special industrial wastes. | |
| Worldwide | Monenco Consultants Ltd. 400, 801 - 6 Avenue S.W. Calgary, Alberta. T2P 3W3 Contact: Mr. Anil Somani Service ID: S0051-AB | Telephone: (403)298-4170 Fax: |
| | Environmental consulting services, waste management, and disposal options, industrial site decommissioning, spill clean-up. | |

Services Available

3. Transportation

| Area | Company | Phone |
|---------------|---|--|
| *AB,BC,WA | Mohawk Lubricants 130 Forrester Street North Vancouver, B.C.. V7H 2M9 Contact: Mr. Frank McGovern Service ID: S0025-AB | Telephone: (604)929-1283 Fax: (604)929-8371 |
| | Transportation and pickup of used lubricating oils for Re-refining purposes in British Columbia, Washington State and Alberta. | |
| Alberta | Brunswick Industries P. O. Box 184 Sylvan Lake, Alberta. T0M 1Z0 Contact: Mr. David L. Lifford Service ID: S0056-AB | Telephone: (403)887-2564 Fax: |
| | Pick-up/purchase of small to medium sized quantities of solid wastes for resale/delivery to other firms. | |
| *Alberta | PCT Pollution Control Technologies Ltd. 100, 4500 - 16 Avenue, N.W. Calgary, Alberta. T3B 0M6 Contact: Mr. Joseph F. Wells Service ID: S0019-AB | Telephone: (403)286-3663 Fax: (403)247-4811 |
| | Transportation of hazardous wastes. On-site identification, classification and packing. | |
| Alberta | Gallason Industrial Cleaning Services Inc. 11228 - 87 Avenue Fort Saskatchewan, Alberta. T8L 2T2 Contact: Mr. Mark Johnson Service ID: S0125-AB | Telephone: (403)998-7773 Fax: |
| | Material transport. | |
| Alberta | Hazmat Transportation Services Ltd. 10502 - 17 Street Edmonton, Alberta. T6P 1P4 Contact: Mr. Garry Selin Service ID: S0154-AB | Telephone: (403)464-5136 Fax: |
| | Provides professional pumping and transportation services to generators of industrial and hazardous wastes. | |
| Canada (West) | Stanley Associates Engineering Ltd. 10160 - 112 Street Edmonton, Alberta. T5K 2L6 Contact: Mr. Matt Cohen Service ID: S0093-AB | Telephone: (403)423-4777 Fax: |
| | Handling and transportation of solid, liquid and hazardous wastes. | |

* new listing

Services Available

3. Transportation

| Area | Company | Phone |
|----------------|---|--|
| Western Canada | Custom Environmental Services Ltd. 7722 - 9 Street Edmonton, Alberta. T6P 1L6 Contact: Mr. Larry Loven Service ID: S0164-AB | Telephone: (403)440-1825 Fax: (403)440-2428 |
| | Transportation of hazardous and special industrial wastes. | |



Alberta Waste Materials Exchange

PO Box 8330, Postal Station F
Edmonton, Alberta T6H 5X2
Telephone 403/450-5408
Fax 403/450-5477

Form 1 Subscription Form/Services Listing Form

Subscription Fee – \$35.00 (April 1, 1991 to March 31, 1992)

*Please mail cheques (payable to the Alberta Research Council) to the address above,
c/o Alberta Waste Materials Exchange.*

Subscriber Information

Company Name: _____

Subscriber contact: _____

Mailing Address: _____

City: _____

Province/State: _____ Postal/Zip Code: _____

Service Listing Information

Service Provided

☐ 1. Custom

☐ 2. Consultant

Area served: _____

Describe service offered: _____

Service Provided

☐ 1. Custom

☐ 2. Consultant

☐ 3. Transport

Area served: _____

Describe service offered: _____



Alberta Waste Materials Exchange

PO Box 8330, Postal Station F
Edmonton, Alberta T6H 5X2
Telephone 403/450-5408
Fax 403/450-5477

Form 2

Listing Form

(submit separate form for each listing)

Exchange Use Only

ID Listing Code _____

Location Code _____

Input Date ____/____/____

1. Company Name: _____ SC Code: _____

2. Mailing Address: _____

3. Company Contact: _____ 4. Title: _____

5. Signature: _____ Date: _____ 7. Phone () _____

8. Check One Only: ☐ Material Available ☐ Material Wanted

9. Classification (review all first, then select only one that best describes your material):

- | | | | |
|--|--|---|---|
| <input type="checkbox"/> Acids | <input type="checkbox"/> Solvents | <input type="checkbox"/> Plastics and Rubber | <input type="checkbox"/> Metals and Metal Sludges |
| <input type="checkbox"/> Alkalies | <input type="checkbox"/> Other Organic Chemicals | <input type="checkbox"/> Textiles and Leather | <input type="checkbox"/> Miscellaneous |
| <input type="checkbox"/> Other Inorganic Chemicals | <input type="checkbox"/> Oils and Eaxes | <input type="checkbox"/> Wood and Paper | |

10. Material to be listed (main usable constituent, generic name): _____

11. The industrial process that generates this waste: _____

12. Main constituent (chemical formula): _____ % _____ in _____

13. Contaminants (highest to lowest, chemical formula): _____ % _____ % _____ % _____ % _____

14. Percentage by (check one): ☐ Volume ☐ Net Weight ☐ Dry Weight

15. Physical State: ☐ Solution ☐ Slurry ☐ Sludge ☐ Cake
☐ Aggregate ☐ Solid ☐ Dust ☐ Gas

16. Miscellaneous appropriate information (pH, toxicity, reactivity, color, particle size, flash point, total solids, purchase date): _____

17. Potential or intended use: _____

18. Packaging: ☐ Bulk ☐ Drums ☐ Pallets ☐ Bales ☐ Other _____

19. Present amount: _____ 20. Frequency: ☐ Continuous ☐ Variable ☐ One Time

21. Quantity thereafter: _____ in: ☐ lbs. ☐ tons ☐ gal. ☐ cu.yd. ☐ kg ☐ tonnes ☐ L ☐ cubic meters ☐ Other _____
per: ☐ Day ☐ Week ☐ Month ☐ Quarter ☐ Year

22. Restrictions on amounts: ☐ None ☐ Minimum ☐ Maximum _____

23. Available to interested parties: ☐ Sample ☐ Lab Analysis ☐ Independent Analysis

24. For material wanted, acceptable geographic range (i.e. states, provinces, regions, countries) _____

25. For materials available, if location of the material differs from the above mailing address, complete the following:

City _____ State or Province _____ Area Code _____

26. If necessary to speed communication, please check if your company name, address and telephone number may be released:

☐ Yes ☐ No



Alberta Waste Materials Exchange

PO Box 8330, Postal Station F
Edmonton, Alberta T6H 5X2
Telephone 403/450-5408
Fax 403/450-5477

Form 3 Enquiry Form

I am interested in item number _____ listed in the waste materials exchange. I think I might be able to use/supply
_____ of this material and I would be interested in discussing this possibility with the company listing the item.
quantity/timing

Please forward this inquiry to them.

Date: _____

Signature: _____

Name: _____

Title: _____

Company: _____

Address: _____

Telephone: _____

Fax: _____

Please photocopy separate forms for additional enquiries or attach a separate listing for more than three enquiries.

Waste Exchanges Operating in North America – December 1990

Alberta Waste Materials Exchange

Mr. William C. Kay
Alberta Research Council
PO Box 8330, Station F
Edmonton, Alberta
Canada T6H 5X2
(403)450-5408
Fax (403)450-5477

British Columbia Waste Exchange

Mr. Tim Reeve
102, 1525 West 8 Avenue
Vancouver, British Columbia
Canada V6J 1T5
(604)731-7222

California Waste Exchange

Department of Health Services
Alternative Technology Section
PO Box 942732
Sacramento, CA 94234-7320
(916)324-1807
Fax (916)324-4494

Canadian Chemical Exchange*

Mr. Philippe LaRoche
PO Box 1135
Ste-Adele, Quebec
Canada J0R 1L0
(514)229-6511

Canadian Waste Materials Exchange

ORTECH International
Dr. Robert Laughlin
2395 Speakman Drive
Mississauga, Ontario
Canada L5K 1B3
(416)822-4111 ext.265
Fax (416)823-1446

Enstar Corporation*

Mr. J.T. Engster
PO Box 189
Latham, NY 12110
(518)785-0470

Indiana Waste Exchange

Dr. Lynn A. Corson
Purdue University - Civil Engineering Bldg.
West Lagayette, IN 47907
(317)494-5036
Fax (317)494-6422

IMEX

Mr. Bill Lawrence
172 - 20 Avenue
Seattle, WA 98122
(206)296-4633
Fax (206)296-0188

Industrial Materials Exchange Service

Ms. Diane Shockey
PO Box 19276
Springfield, IL 62794-9276
(217)782-0450
Fax (217)524-4959

Industrial Waste Information Exchange

Mr. William E. Payne
New Jersey Chamber of Commerce
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